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Ultrasonic transducer.

Publication number: EP0116823

Publication date: 1984-08-29

Inventor: FORSTER ALFRED

Applicant: SIEMENS AG (DE)

Classification:

- International: **H04R17/00; A61B8/00; G01N29/24; G10K11/00; H04R1/22; H04R17/00; A61B8/00; G01N29/24; G10K11/00; H04R1/22; (IPC1-7): G10K11/00**


- European: G10K11/00B

Application number: EP19840100061 19840104




Priority number(s): DE19833301848 19830120

View 19840100061 patent family






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Also published as:

 JP59140798 (A)
 DE3301848 (A1)
 EP0116823 (B1)

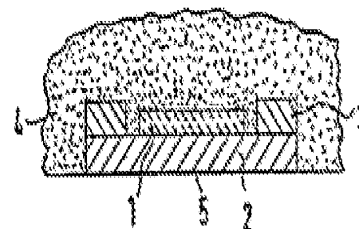
Cited documents

 US4326274
 US3427491
 GB2063007
 FR2325266
 US3950660

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Abstract of EP0116823

1. An ultrasonic transducer which is arranged at an interval from the object to be measured and which comprises a plate-like ceramic oscillator (1) which is surrounded by a weighting ring (3) and to which metal electrodes are attached, and on one face of which a lambda/4 matching layer consisting of synthetic material is arranged, characterized in that the entire ultrasonic transducer, excluding that side of the matching layer (2) which faces towards the medium which is to be exposed to ultrasonic waves, is provided with a foam casing (4) composed of polyurethane foam.

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